



CDB625E

RCCB 3P+N 25A 30mA B

Technical properties

Architecture

| | |
|------------------|-------|
| Neutral position | right |
| Number of poles | 4 P |
| Type of pole | 3P+N |

Configuration

| | |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

Connectivity

| | |
|---|------------------|
| Top connection alignment for modular devices | Aligned terminal |
| Bottom connection alignment for modular devices | Aligned terminal |

Main electrical features

| | |
|--|-------------|
| Rated operational voltage U _e | 230 / 400 V |
| Type of supply voltage | AC |
| Frequency | 50 Hz |

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 400 V |
| Max operating voltage | 440 V |
| Rated impulse withstand voltage | 4000 V |

Electric current

| | |
|---|-------|
| Rated residual operating current | 30 mA |
| Rated current | 25 A |
| Withstand not tripping on 8-20 µs wave | 5 kA |
| Breaking and opening capacity | 800 A |
| Rated conditional short-circuit current I _{nc} according to EN 61008-1 | 10 kA |

Electric current / temperature

| | |
|----------------------|------|
| Rating current -25°C | 25 A |
| Rating current -20°C | 25 A |
| Rating current -15°C | 25 A |
| Rating current -10°C | 25 A |
| Rating current -5°C | 25 A |
| Rating current 0°C | 25 A |
| Rating current 5°C | 25 A |
| Rating current 10°C | 25 A |

| | |
|---------------------|------|
| Rating current 15°C | 25 A |
| Rating current 20°C | 25 A |
| Rating current 25°C | 25 A |
| Rating current 30°C | 25 A |
| Rating current 35°C | 25 A |
| Rating current 40°C | 25 A |
| Rating current 45°C | 25 A |
| Rating current 50°C | 25 A |
| Rating current 55°C | 25 A |
| Rating current 60°C | 25 A |
| Rating current 65°C | 25 A |
| Rating current 70°C | 25 A |

Dimensions

| | |
|-------------------------------|-------|
| Depth of installed product | 70 mm |
| Height of installed product | 85 mm |
| Width of installed product | 72 mm |
| Construction size (DIN 43880) | 1 |

Frequency

| | |
|-----------|-------|
| Frequency | 50 Hz |
|-----------|-------|

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 1.98 W |
|---------------------------|--------|

Tripping

| | |
|-----------------------------|----|
| Short-time delayed tripping | No |
|-----------------------------|----|

Electrical specifications

| | |
|---|-------------|
| Operating voltage for test button circuit | 340...456 V |
|---|-------------|

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 20000 |

Installation, mounting

| | |
|---|------------|
| Type of top connection for modular devices | with screw |
| Type of top rail clip for modular devices | Plastic |
| Type of bottom rail clip for modular devices | plastic |
| Type of Bottom Connection for modular devices | Blconnect |
| Top removability for modular devices | Yes |
| Bottom removability for modular devices | Yes |

Connection

| | |
|--|------------|
| Connection cross-section at output with screw, for flexible conductor | 1 / 16 mm² |
| Connection cross-section at output with screw, for massive conductor | 1 / 25 mm² |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 25 mm² |

| | |
|---|------------------------|
| Connection cross-section of the access with screws, with flexible conductor | 1 / 16 mm ² |
|---|------------------------|

Equipment

| | |
|---------------------------------------|-----|
| Quick connect | no |
| Type selective | No |
| Can be accessorized | Yes |
| With transparent product label holder | Yes |

Standards

| | |
|---------------|-----------------------|
| Standard text | EN 61008-1 ; EN 62423 |
|---------------|-----------------------|

Safety

| | |
|-----------------------|-----|
| Residual current type | B |
| REACH conform | No |
| RoHS conform | Yes |
| Halogen free | No |

Use conditions

| | |
|--|-------------|
| Operating temperature | -25...70 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Altitude | 2000 m |
| Storage/transport temperature | -55...70 °C |